

WEEKLY CROP-WEATHER

MN and U.S. Depts. of Agriculture
PO Box 7068, St. Paul, MN 55107
Phone: (651) 296-2230
E-mail: nass-mn@nass.usda.gov
Homepage: <http://www.nass.usda.gov/mn/>

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

ROW CROP CONDITIONS IMPROVED

Row crop conditions improved due to last week's cooler temperatures and rainfall, according to the Minnesota Agricultural Statistics Service. Crops are still suffering from dryness in the central and east central portions of the state where topsoil moisture continues to be short to very short. Topsoil moisture conditions across the state as of July 27th were rated 8% very short, 20% short, 66% adequate, and 6% surplus.

Corn is tasseling later this year than previous years, 72% tasseling as of Sunday, July 29th, compared to 90% last year and 81% for the 5-year average. There is concern that some corn is tasseling before reaching an adequate height. During the week the corn acreage has moved rapidly into the pollination stage. Corn condition is rated 42% good to excellent, compared to last week's rating of 37%.

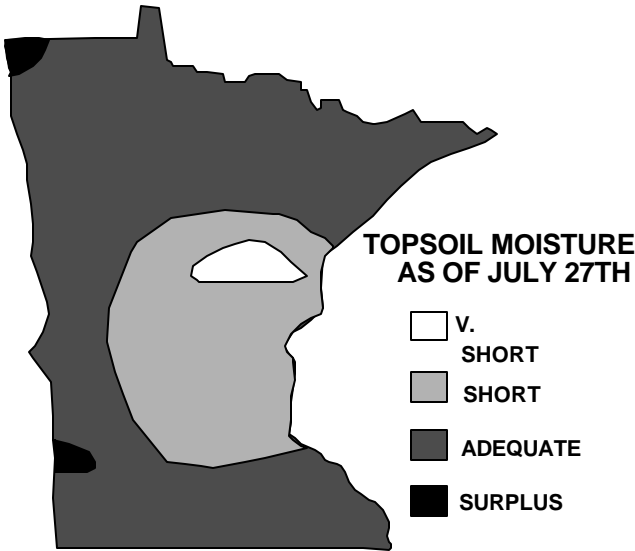
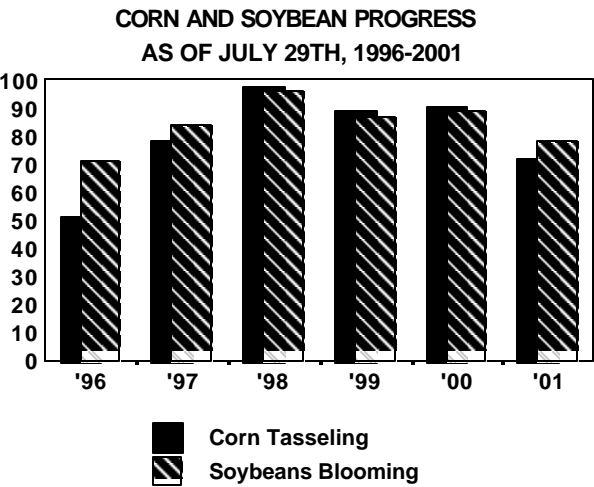
Soybean height averaged 22 inches, compared with 23 inches for both a year ago and the 5-year average. Soybeans are 78% blooming, versus 89% last year and the 5-year average of 85%. Soybeans have set pods on 13% of the acres, compared to 36% last year and the 5-year average of 29%. The soybean condition rating of good to excellent is 50%, compared to last week's rating of 40%.

Spring wheat is 58% turning ripe, compared to 87% a year ago and the 5-year average of 65%. Harvest has just started with less than 1% of spring wheat harvested, behind the 8% harvested last year and 5% for the 5-year average. Spring wheat conditions are rated 57% good to excellent. Harvest has also begun for oats at 13%, barley at 2%, and winter wheat at 26%.

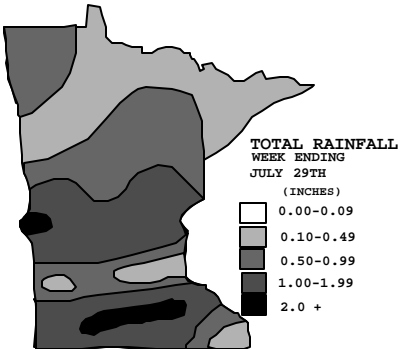
Days Suitable for Fieldwork: 4.7					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		8	20	66	6
Crop Progress as of July 29, 2001					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Tasseling	81	90	19	72
Soybeans	Height-Inches	23	23	17	22
	Blooming	85	89	53	78
	Setting Pods	29	36	7	13
Winter Wheat	Harvested	20	18	0	26
Rye	Harvested	39	34	1	20
Sweet Corn	Harvested	6	5	NA	3
Spring Wheat	Turning Ripe	65	87	25	58
	Harvested	5	8	NA	0
Oats	Turning Ripe	83	86	53	90
	Harvested	18	25	NA	13
Barley	Turning Ripe	64	91	31	66
	Harvested	7	13	NA	2
Crop Condition as of July 27 th					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	6	16	42	32	4
Corn	4	14	40	36	6
Soybeans	5	10	35	42	8
Spring Wheat	11	11	21	46	11
Oats	2	15	36	43	4
Barley	7	13	24	46	10
Dry Beans	2	6	23	60	9
Potatoes	0	1	24	43	32
Sunflowers	1	8	17	63	11
Canola	1	2	34	56	7
Sugarbeets	5	12	21	49	13

The sweet corn harvest for processing has begun in scattered localities. Harvest progress is at 3% complete, compared to 5% last year and 6% for the 5-year average.

Pasture conditions are rated as 36% good to excellent.



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 29, 2001:
Temperatures averaged from 2.2 degrees below normal in the North Central District to 0.2 degree above normal in the Southeast District. Extremes: 42° in Hibbing; 94° in Canby Precipitation averaged from 0.35 inch below normal in the Northeast District to 1.44 inches above normal in the Southwest District. Greatest weekly total was 2.60 inches.



Precipitation and Temperature Summary for 07/23/2001 through 07/29/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	85	52	68.6	-1.8	.92	.32	.79	-.99	1219	14
Moorhead	85	54	69.4	-2.5	.19	-.40	-.08	1.00	1279	1
Warroad	86	52	66.8	-1.0	.49	-.18	.39	5.59	1120	73
<u>NC DIST 2</u>										
Grand Rapids	90	48	65.7	-1.9	.58	-.26	-2.01	2.39	1159	109
Intl. Falls	82	47	63.5	-3.7	.44	-.31	.23	3.25	1060	42
Itasca	89	47	67.0	-1.1	.29	-.43	-1.05	.77	1115	49
<u>NE DIST 3</u>										
Duluth	89	61	72.6	5.8	.47	-.34	-1.45	3.86	1017	85
Grand Marais	86	50	60.7	-2.2	.22	-.49	-1.30	4.63	476	-189
Hibbing	86	42	61.7	-4.4	.60	-.23	-1.66	-.87	1005	59
<u>WC DIST 4</u>										
Alexandria	83	56	68.7	-3.3	1.48	.82	.21	-.53m	1229	-56
Browns Valley	91	56	71.4	-1.3	2.60	2.00	1.05	5.19	1316	-13
Canby	94	57	71.6	-2.8	.42	-.35	-.45	5.98	1387	-50
Fergus Falls	90	57	71.8	.5	1.28	.59	-.06	5.34	1321	75
Montevideo	89	57	70.3	-2.5	.60	-.02	-.01	5.34	1286	-90
Morris	87	56	70.0	-1.3	1.95	1.21	1.13	6.71	1304	28
<u>CENT DIST 5</u>										
Becker	91	56	71.3	.7	1.50	.67	-1.19	3.02	1311	84
Hutchinson	90	56	71.4	-1.3	.18	-.56	-2.06	1.94	1365	-7
Olivia	89	54	70.8	-2.4	.68	-.06	-1.79	.53	1354	-67
St. Cloud	90	52	69.0	-1.5	1.65	.98	-.68	4.68	1226	7
Staples	88	54	68.8	-.5	.87	.14	-.48	7.32	1167	22
Willmar	88	57	71.2	-1.0	1.38	.66	-.96	.60	1330	-15
<u>EC DIST 6</u>										
Aitkin	91	48	66.8	-1.9	1.26	.35	-1.53	4.50	1177	70
Cambridge	90	59	72.4	1.3	1.12	.30	-1.87	5.29	1226	-42
MSP Airport	89	61	72.6	-1.4	.47	-.31	-1.06	6.85	1422	0
St. Paul - UofM	87	59	72.6	-1.7	.46	-.38	-1.59	4.45	1428	-38
<u>SW DIST 7</u>										
Lamberton	88	58	70.8	-1.6	2.04	1.26	3.13	6.54	1349	-50
Pipestone	91	58	71.3	-.6	1.45	.72	-.69	5.46	1343	33
Redwood Falls	90	58	70.8	-3.2	.58	-.31	-2.46	.23	1365	-110
Worthington	88	56	71.0	-.8	1.96	1.18	-.24	6.02	1380	41
<u>SC DIST 8</u>										
Faribault	88	58	71.0	-1.1	2.14	1.18	-1.51	4.24	1306	-37
Waseca	86	60	71.8	.4	1.77	.82	-1.10	5.02	1362	29
Winnebago	88	60	71.4	-.8	1.12	.20	-1.39	4.51	1351	-18
<u>SE DIST 9</u>										
Preston	87	58	71.5	1.0	.43	-.48	-2.33	.93	1281	23
Red Wing	88	61	71.7	1.3	1.15	.21	-1.49	1.08	1338	118
Rochester	84	59	70.5	-.6	1.68	.74	-1.34	8.21	1261	-34
Rosemount	87	59	71.0	-.8	.43	-.46	-2.61	.88	1306	-21
Winona	87	55	72.2	-.7	.96	.07	-.85	3.10	1318	-60

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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